



PT100-3

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. Ser. No. : 10/644,288  
Inventor : Paul Diamond  
Filing Date : August 20, 2003  
Title : REGULATION OF POLYNUCLEIC ACID  
ACTIVITY AND EXPRESSION  
Examiner : to be assigned  
Group Art Unit : 1632

Certificate of Mailing Under 37 C.F.R. §1.8	
I hereby certify that this paper is being deposited with the United States Postal Service on <u>OCTOBER 18, 2003</u> under 37 C.F.R. §1.8 in an envelope addressed to the: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
Paul Diamond	48,532
Agent	Reg. No.
<u>Paul Diamond</u>	<u>10/18/2003</u>
Signature	Date of Signature

Assistant Commissioner for Patents  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Applicant submits this Information Disclosure Statement ("IDS") in compliance with 37 C.F.R. §§1.56, 1.97 and 1.98.

The referenced application is a continuation-in-part of, and claims priority to, U.S. application serial no. 10/354,903, filed January 29, 2003 ("the parent '903 application"). A copy of each of the documents listed on the accompanying Form

PTO-1449 was provided with the IDS filed August 26, 2003 in the parent '903 application. Accordingly, pursuant to 37 C.F.R. §1.98(d), Applicant is not required to resubmit copies of the listed documents with this IDS and has not done so.

**TIME OF TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

This IDS is being filed before the mailing of a first Office Action on the merits in the referenced application, pursuant to 37 C.F.R. §1.97(b)(3). Accordingly, no fee should be required in connection with the submission of this communication.

Date: October 18, 2003

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Paul Diamond", is written over a horizontal line.

Paul Diamond  
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Reg. No. 48,532

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Enclosure (Form PTO-1449)



<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>	Docket Number (Optional) PT100-3	Application Number 10/644,288
	Applicant Diamond	
	Filing Date August 20, 2003	Group Art Unit 1632

### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US2002/0137709 A1	09/26/2002	Lin et al.			08/01/2001
		6,242,667	06/05/2001	Bujard et al.	800	278	09/28/1998
		5,723,765	03/03/1998	Oliver et al.	800	205	06/07/1995
		5,597,697	01/28/1997	Diamond	435	6	09/30/1994

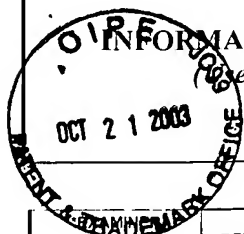
### FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	TRANSLATION	
						Yes	No

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	<u>Abstract</u> Michaelson, J.S. et al. <u>RNAi reveals anti-apoptotic and transcriptionally repressive activities of DAXX</u> J. Cell Sci 2003 Jan 15; 116(Pt 2): pp. 345-352		
	Nicholson et al., <u>Molecular Characterization of a Mouse cDNA Encoding Dicer...</u> Mamm Genome, 13(2), 67-73, 2002		
	Matzke et al , <u>RNA: Guiding Gene Silencing</u> Science 293, 1080-1083 (2001)		
	Vance and Vaucheret, <u>RNA Silencing in Plants-Defense and Counterdefense</u> Science 292, 2277-2280 (2001)		
	Voinnet, <u>RNA Silencing as a Plant Immune System Against Viruses</u> Trends Genet., 17, 449-459 (2001)		
	Waterhouse et al., <u>Gene Silencing as an Adaptive Defense Against Viruses</u> Nature, 411, 834-842 (2001)		
	Carthew, <u>Gene Silencing by Double Stranded RNA</u> Curr. Opin. Cell Biol. 13, 244-248 (2001)		
	Zamore, <u>RNA Interference: Listening to the Sound of Silence</u> Nat. Struct. Biol. 8, 746-750 (2001)		
	Piccin et al, <u>Efficient and Heritable Functional Knockout...</u> Nucleic Acids Res. Vol. 29, No. 12. e55, 2001		
	Wesley et al., <u>Construct Design for Efficient...</u> Plant J 27(6): 581-590, 2001		

Examiner	Date Considered
<b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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(See several sheets if necessary)

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PT100-3

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10/644,288

Applicant  
Diamond

Filing Date  
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1632

**U.S. PATENT DOCUMENTS**

INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US2002/0007500 A1	01/17/2002	Kuvshinov et al.			02/15/2001

**FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	TRANSLATION	
						Yes	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Bernstein et al., <u>Role for a Bidentate Ribonuclease in the Initiation Step of RNA Interference</u> Nature, 409, 363-366, 2001		
	Hutvagner et al., <u>A Cellular Function for the RNA-Interference Enzyme Dicer...</u> Science, 293, 834-838, 2001		
	Nishikura, K. <u>A Short Primer on RNAi...</u> Cell 107, 415-418, 2001		
	Cogoni and Macino, <u>Post-Transcriptional Gene Silencing Across Kingdoms</u> Current Opin. Genet. Dev. 10, 638-643 (2000)		
	Jorgensen, R.A. et al. <u>An RNA-Based Information Superhighway in Plants</u> Science 279, pp. 1486-1488 (1998)		
	Breaker, R.H. <u>DNA Enzymes</u> Nature Biotechnology 15, pp. 427-431 (1997)		
	Aoyama and Chua, <u>A Glucocorticoid-Mediated Transcriptional Induction System in Transgenic Plants</u> Plant J 11:605-12 (1997)		
	Gatz, et al., <u>Stringent Repression and Homogenous Derepression by Tetracycline of a Modified CMV 35S Promoter in Intact Transgenic Tobacco Plants</u> , The Plant Journal, 2:397-404 (1992)		
	Weiss et al, <u>Synthetic Human tRNA<sup>Lys3</sup><sub>UUU</sub> and...</u> Gene 111, 183-197 (1992)		
	Kohlstaedt and Steitz, <u>Reverse Transcriptase of Immunodeficiency Virus...</u> Proc. Natl. Acad. Sci. USA 89, 9652-9656 (1992)		
	Wang and Seeger, <u>The Reverse Transcriptase of Hepatitis B...</u> Cell, 71, 663-670 (1992).		
	Orr et al, <u>DNA Chain Termination Activity and ...</u> The Journal of Biological Chemistry, 267, 4177-4182 (1992)		
	Gatz and Quail, <u>Tn10-Encoded tet Repressor can Regulate an Operator-Containing Plant Promoter</u> , Proc. Natl. Acad. Sci. USA, 85:1394-1397 (1988)		

Examiner

Date Considered

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820  
(also form PTO-1449)